**Striiv Bio2**

Información del menú de configuración

Datos que se muestran en la pulsera.

BT: 1C0F

SW: 1.236 BL: 1.11 B: 8.0.15.0

G:0 T:0 C:5

HW:3

ID1: K1C03 ID2: 0F003 ID3: 13436 ID4: 38314 ID5: 14520

Advertising data

Device Local name: Striiv Bio2-1C0F

Servicio UUID: UUID: 278B67FE-266B-406C-BD40-25379402B58D

Conectable: si

MTU: 23bytes

Servicios publicados:

Generic Access

UUID: 00001800-0000-1000-8000-00805f9b34fb

PRIMARY SERVICE

Generic Attribute

UUID: 00001801-0000-1000-8000-00805f9b34fb

PRIMARY SERVICE

Custom Service

UUID: 278B67FE-266B-406C-BD40-25379402B58D

PRIMARY SERVICE

Características

UUID: 12B54A02-52F5-4A61-8DA5-7E722D428359

Propiedades: lectura

Valor: 0x4B-1C-03-0F-00-31-34-36-38-31-41-45-20-00-00-00

Valor enviado: N/D

UUID: 30E29A0A-2C25-4331-89C1-C17E26B1D22B

Propiedades: escritura y escritura sin respuesta

Valor: N/D

Valor enviado: N/D

UUID: E57BFE23-2E2C-4332-B1A1-846E15E9FB75

Propiedades: Notificar

Valor: N/D

Valor enviado: N/D

Client Characteristic Configuration

UUID: 00002902-0000-1000-8000-00805f9b34fb

Valor: Notificaciones e indicaciones habilitadas

DESCRIPTOR

Firmware versiones:

Chip: [**Nordic Semiconductor nRF51422-QFAAE0** system-on-chip](https://www.nordicsemi.com/eng/Products/ANT/nRF51422)

De la web:

<http://help9.striiv.com/support/solutions/articles/3000028289-what-s-in-the-latest-firmware-update->

|  |  |
| --- | --- |
| 1.291 | Streamlined journaling screens to allow for quick and easy logging. |
| 1.282 | Journaling capabilities added, allowing water intake, weight, medication and diet to be tracked.  Introduction of codeless pairing flow, which no longer requires 4 digit pairing code previously displayed on device to be entered manually in order to pair with the app. |
| 1.277 | A slight tweak was applied to the activity tracking algorithm to improve accuracy. |
| 1.275 | "Rotate to turn on" feature added, which allows the screen to turn on when bringing the device up to view time. EasyOn setting added in device settings to allow for toggling of this feature off or on based on preference.  Screen dimmed slightly to increase overall battery performance.  Adaptive screen dimming based upon time of day - avoids bright screen at night. |
| 1.228 | General bug fixes, with a specific focus on fixing an issue with iOS notifications connection, providing a more reliable delivery of notifications. |
| 1.225 | Resolved an issue causing "slow-motion" screens on some user's devices.  Resolved an issue where users sleep charts displayed 1 hour off after Daylight Savings Time  Resolved an issue where some users would experience rapid battery drain |
| 1.219 | The big change is that we tweaked the activity tracking algorithm a bit - we kept the extra sensitivity from 1.218, but we made our "cheat" step filter a little bit more aggressive, so you should see less extra steps from typing/washing dishes/hand movements. |
| 1.218 | New Activity Tracking Algorithm! This should register things like elliptical workouts/treadmill running more accurately!  Meeting reminder adjustments! If you have your phone set to alert you 10 minutes before a meeting, your Striiv will now as well!  Under-the-hood improvements and bug fixes (such as a fix for a rare issue where the screen could get "stuck" going into sleep mode.  Disconnection warning icon : if you see a Wifi signal with a ! in it, your phone has lost connection to your Striiv device! |

Extracción de datos

**Service: Generic Access**

UUID: 00001800-0000-1000-8000-00805f9b34fb

Características: UUID genéricos

Procedimiento: primero leer el UUID del servicio, luego leer el UUID de la característica. Todas las características de este servicio que tienen respuesta se aplica el mismo procedimiento.

UUID: 00002a00-0000-1000-8000-00805f9b34fb

Name: Device Name

Length: 16

Value: Striiv Bio2-1C0F

Value HEX: 5374726969762042696f322d31433046

UUID: 00002a01-0000-1000-8000-00805f9b34fb

Name: Appearance

Length: 2

Value:

Value HEX: c00

UUID: 00002a04-0000-1000-8000-00805f9b34fb

Name: Peripheral Preferred Connection

Length: 8

Value:

Value HEX: 10020000a00

**Service: Custom Service**

UUID: 278B67FE-266B-406C-BD40-25379402B58D

Característica: UUID 12B54A02-52F5-4A61-8DA5-7E722D428359

Procedimiento: primero leer el UUID del servicio, luego leer el UUID de la característica. El valor que entrega esta característica parece ser el ID del dispositivo, coindice con el valor que muestra el menú de la pulsera.

UUID: 12B54A02-52F5-4A61-8DA5-7E722D428359

Length: 16

Value HEX: 0x4B-**1C-03-0F-00-31-34-36-38-31-41-45-20**-00-00-00

ID1: K**1C03** ID2: **0F003** ID3: **13436** ID4: **38314** ID5: **14520**

Por alguna razón la primera letra la envía con el código ASCII 0x4b es K en ASCII.

Características: UUID E57BFE23-2E2C-4332-B1A1-846E15E9FB75

Procedimiento: primero hay que escribir 0x01 en el descriptor Client Characteristic Configuration (2902) para activar las notificaciones. Luego hay que escribir comandos en la característica:

UUID: 30E29A0A-2C25-4331-89C1-C17E26B1D22B

Inmediatamente la pulsera envía notificaciones a la característica:

UUID: E57BFE23-2E2C-4332-B1A1-846E15E9FB75

Estructura de datos

El paquete de datos se organiza en tramas de 20 bytes. Algunos datos se toman en hexadecimal otros en ascii.

Ejemplo de trama

Length: 20

HEX:0x80-00-00-00-10-EC-02-03-64-00-00-00-00-5A-FC-07-A5-A5-A5-A5

Al momento puedo interpretar que cada posición de la trama equivale a lo siguiente:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Comando | Intentos | Header/data | Número trama | Data | EoT? |
| 1 byte | 1 byte | 1 byte | 1 byte | 12 bytes | 4 bytes? |
| 2 | 1 | 0 | 74 | 2A 6f 9 80 0 d4 fc 3f 0 0 0 0 | DE 64 CF 9 |

La notificación en respuesta a un comando de lectura, son un bloque de 5 a 10 tramas a modo de encabezado y otras 73 tramas con los datos.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 82 | 1 | 0 | | 74 | | d8 | | 61 | | d | | 80 | | 70 | | | d5 | | fc | | 3f | | | 38 | | ed | | fd | 3f | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 40 | | ff | | ff | | ff | | ff | | ec | | | e1 | | 8 | | 40 | | | f0 | | d6 | | fc | 3f | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 40 | | 40 | | e1 | | f9 | | 3f | | 0 | | | 0 | | 0 | | 0 | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 40 | | ec | | df | | 8 | | 40 | | ab | | | 45 | | d | | 40 | | | 30 | | 4 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 40 | | 2a | | 6f | | 9 | | 80 | | 40 | | | d5 | | fc | | 3f | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 0 | | f0 | | d6 | | fc | | 3f | | 8c | | | ef | | fd | | 3f | | | a8 | | d6 | | fc | 3f | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 40 | | ec | | df | | 8 | | 40 | | 6d | | | 45 | | d | | 40 | | | 30 | | 4 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 0 | | 2a | | 6f | | 9 | | 80 | | 40 | | | d5 | | fc | | 3f | | | ce | | 1d | | 9 | 40 | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 40 | | ec | | df | | 8 | | 40 | | fb | | | 47 | | d | | 40 | | | 30 | | 6 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 0 | | 0 | | 28 | | 0 | | 0 | | 0 | | ac | | | d6 | | fc | | 3f | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
|  |  |  | |  | |  | |  | |  | |  | |  | | |  | |  | |  | | |  | |  | |  |  |  |  |  |  | |
| 2 | 1 | 1 | | 0 | | 28 | | 0 | | 0 | | 0 | | ac | | | d6 | | fc | | 3f | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 1 | | cc | | 73 | | eb | | 1c | | 31 | | | 34 | | 36 | | 36 | | | 39 | | 34 | | 32 | 34 | 36 | 30 | 5f | 39 | |
| 2 | 1 | 1 | | 2 | | 35 | | 30 | | 35 | | 33 | | 37 | | | 39 | | 30 | | 37 | | | 5f | | 6c | | 6f | 67 | 2e | 70 | 62 | 0 | |
| 2 | 1 | 1 | | 3 | | 0 | | 0 | | 0 | | 0 | | ac | | | d6 | | fc | | 3f | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 4 | | 30 | | 5f | | 34 | | 35 | | 33 | | | 37 | | 33 | | 37 | | | 39 | | 31 | | 35 | 5f | 6c | 6f | 67 | 2e | |
| 2 | 1 | 1 | | 5 | | 70 | | 62 | | 0 | | 0 | | ac | | | d6 | | fc | | 3f | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 6 | | 30 | | 30 | | 36 | | 30 | | 5f | | | 36 | | 34 | | 38 | | | 31 | | 33 | | 37 | 39 | 30 | 38 | 5f | 6c | |
| 2 | 1 | 1 | | 7 | | 6f | | 67 | | 2e | | 70 | | 62 | | | 0 | | fc | | 3f | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 8 | | 36 | | 31 | | 34 | | 33 | | 32 | | | 36 | | 30 | | 5f | | | 31 | | 35 | | 31 | 33 | 33 | 37 | 39 | 31 | |
| 2 | 1 | 1 | | 9 | | 35 | | 5f | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | | | 0 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | a | | 31 | | 34 | | 36 | | 36 | | 35 | | | 32 | | 31 | | 32 | | | 36 | | 30 | | 5f | 35 | 32 | 39 | 33 | 33 | |
| 2 | 1 | 1 | | b | | 37 | | 39 | | 31 | | 35 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | c | | 12 | | c5 | | 1b | | 31 | | 34 | | | 36 | | 36 | | 35 | | | 34 | | 39 | | 35 | 38 | 30 | 5f | 35 | 35 | |
| 2 | 1 | 1 | | d | | 37 | | 36 | | 35 | | 37 | | 39 | | | 30 | | 38 | | 5f | | | 75 | | 62 | | 2e | 70 | 62 | 0 | 78 | 56 | |
| 2 | 1 | 1 | | e | | 16 | | 16 | | bd | | 11 | | 1c | | | 31 | | 34 | | 36 | | | 36 | | 37 | | 34 | 38 | 30 | 36 | 30 | 5f | |
| 2 | 1 | 1 | | f | | 37 | | 35 | | 36 | | 31 | | 33 | | | 37 | | 39 | | 31 | | | 35 | | 5f | | 6c | 6f | 67 | 2e | 70 | 62 | |
| 2 | 1 | 1 | | 10 | | 0 | | 39 | | 31 | | 35 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 11 | | 34 | | 30 | | 5f | | 37 | | 31 | | | 32 | | 32 | | 31 | | | 37 | | 39 | | 30 | 38 | 5f | 75 | 62 | 2e | |
| 2 | 1 | 1 | | 12 | | 70 | | 62 | | 0 | | 35 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 13 | | 35 | | 30 | | 36 | | 30 | | 5f | | | 33 | | 33 | | 33 | | | 31 | | 33 | | 37 | 39 | 30 | 38 | 5f | 75 | |
| 2 | 1 | 1 | | 14 | | 62 | | 2e | | 70 | | 62 | | 0 | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 15 | | 34 | | 30 | | 32 | | 34 | | 36 | | | 30 | | 5f | | 34 | | | 31 | | 30 | | 35 | 33 | 37 | 39 | 30 | 37 | |
| 2 | 1 | 1 | | 16 | | 5f | | 6c | | 6f | | 67 | | 2e | | | 70 | | 62 | | 0 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 17 | | 34 | | 36 | | 36 | | 31 | | 39 | | | 37 | | 32 | | 36 | | | 30 | | 5f | | 32 | 30 | 35 | 33 | 33 | 37 | |
| 2 | 1 | 1 | | 18 | | 39 | | 30 | | 37 | | 5f | | 6c | | | 6f | | 67 | | 2e | | | 70 | | 62 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 19 | | 97 | | 1c | | 31 | | 34 | | 36 | | | 36 | | 33 | | 31 | | | 36 | | 30 | | 36 | 30 | 5f | 33 | 32 | 34 | |
| 2 | 1 | 1 | | 1a | | 31 | | 33 | | 37 | | 39 | | 30 | | | 37 | | 5f | | 6c | | | 6f | | 67 | | 2e | 70 | 62 | 0 | 78 | 56 | |
| 2 | 1 | 1 | | 1b | | 1b | | 9f | | 9 | | ae | | 1b | | | 31 | | 34 | | 36 | | | 36 | | 32 | | 32 | 37 | 32 | 36 | 30 | 5f | |
| 2 | 1 | 1 | | 1c | | 32 | | 33 | | 35 | | 33 | | 33 | | | 37 | | 39 | | 31 | | | 36 | | 5f | | 75 | 62 | 2e | 70 | 62 | 0 | |
| 2 | 1 | 1 | | 1d | | 0 | | 30 | | 37 | | 5f | | 6c | | | 6f | | 67 | | 2e | | | 70 | | 62 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 1e | | 30 | | 5f | | 31 | | 30 | | 39 | | | 30 | | 39 | | 33 | | | 37 | | 39 | | 30 | 36 | 5f | 6c | 6f | 67 | |
| 2 | 1 | 1 | | 1f | | 2e | | 70 | | 62 | | 0 | | 6c | | | 6f | | 67 | | 2e | | | 70 | | 62 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 20 | | 38 | | 36 | | 30 | | 36 | | 30 | | | 5f | | 35 | | 39 | | | 34 | | 31 | | 33 | 37 | 39 | 31 | 30 | 5f | |
| 2 | 1 | 1 | | 21 | | 6c | | 6f | | 67 | | 2e | | 70 | | | 62 | | 0 | | 2e | | | 70 | | 62 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 22 | | 36 | | 36 | | 35 | | 34 | | 32 | | | 38 | | 36 | | 30 | | | 5f | | 35 | | 35 | 30 | 39 | 33 | 37 | 39 | |
| 2 | 1 | 1 | | 23 | | 30 | | 37 | | 5f | | 6c | | 6f | | | 67 | | 2e | | 70 | | | 62 | | 0 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 24 | | 1b | | 31 | | 34 | | 36 | | 36 | | | 30 | | 33 | | 35 | | | 32 | | 36 | | 30 | 5f | 34 | 33 | 33 | 33 | |
| 2 | 1 | 1 | | 25 | | 38 | | 32 | | 36 | | 38 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 26 | | 95 | | 9c | | 1a | | 31 | | 34 | | | 36 | | 36 | | 30 | | | 33 | | 32 | | 38 | 36 | 30 | 5f | 34 | 30 | |
| 2 | 1 | 1 | | 27 | | 39 | | 33 | | 37 | | 39 | | 30 | | | 38 | | 5f | | 75 | | | 62 | | 2e | | 70 | 62 | 0 | 78 | 56 | ad | |
| 2 | 1 | 1 | | 28 | | e6 | | 1d | | 42 | | 1c | | 31 | | | 34 | | 36 | | 36 | | | 39 | | 31 | | 30 | 30 | 36 | 30 | 5f | 39 | |
| 2 | 1 | 1 | | 29 | | 31 | | 38 | | 31 | | 33 | | 37 | | | 39 | | 30 | | 37 | | | 5f | | 6c | | 6f | 67 | 2e | 70 | 62 | 0 | |
| 2 | 1 | 1 | | 2a | | 0 | | df | | 8 | | 40 | | fb | | | 47 | | d | | 40 | | | 30 | | 4 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 2b | | 30 | | 5f | | 31 | | 31 | | 34 | | | 34 | | 39 | | 33 | | | 37 | | 39 | | 30 | 37 | 5f | 6c | 6f | 67 | |
| 2 | 1 | 1 | | 2c | | 2e | | 70 | | 62 | | 0 | | fb | | | 47 | | d | | 40 | | | 30 | | 4 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 2d | | 39 | | 36 | | 38 | | 36 | | 30 | | | 5f | | 36 | | 30 | | | 34 | | 39 | | 33 | 37 | 39 | 31 | 35 | 5f | |
| 2 | 1 | 1 | | 2e | | 6c | | 6f | | 67 | | 2e | | 70 | | | 62 | | 0 | | 40 | | | 30 | | 4 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 2f | | 36 | | 36 | | 30 | | 37 | | 38 | | | 34 | | 36 | | 30 | | | 5f | | 38 | | 36 | 35 | 33 | 37 | 39 | 30 | |
| 2 | 1 | 1 | | 30 | | 37 | | 5f | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | | | 0 | | 4 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 31 | | 31 | | 34 | | 36 | | 36 | | 38 | | | 39 | | 39 | | 32 | | | 36 | | 30 | | 5f | 39 | 30 | 37 | 33 | 33 | |
| 2 | 1 | 1 | | 32 | | 37 | | 39 | | 31 | | 35 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 33 | | c8 | | 2f | | 1b | | 31 | | 34 | | | 36 | | 36 | | 38 | | | 33 | | 33 | | 33 | 38 | 30 | 5f | 38 | 34 | |
| 2 | 1 | 1 | | 34 | | 31 | | 34 | | 35 | | 37 | | 39 | | | 30 | | 38 | | 5f | | | 75 | | 62 | | 2e | 70 | 62 | 0 | 78 | 56 | |
| 2 | 1 | 1 | | 35 | | 16 | | 9 | | 57 | | e4 | | 1c | | | 31 | | 34 | | 36 | | | 36 | | 35 | | 37 | 35 | 32 | 36 | 30 | 5f | |
| 2 | 1 | 1 | | 36 | | 35 | | 38 | | 33 | | 33 | | 33 | | | 37 | | 39 | | 30 | | | 37 | | 5f | | 6c | 6f | 67 | 2e | 70 | 62 | |
| 2 | 1 | 1 | | 37 | | 0 | | 39 | | 31 | | 35 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 38 | | 36 | | 30 | | 5f | | 37 | | 37 | | | 37 | | 37 | | 33 | | | 37 | | 39 | | 30 | 37 | 5f | 6c | 6f | 67 | |
| 2 | 1 | 1 | | 39 | | 2e | | 70 | | 62 | | 0 | | 5f | | | 6c | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 3a | | 36 | | 38 | | 38 | | 38 | | 30 | | | 5f | | 37 | | 37 | | | 36 | | 39 | | 35 | 37 | 39 | 30 | 38 | 5f | |
| 2 | 1 | 1 | | 3b | | 75 | | 62 | | 2e | | 70 | | 62 | | | 0 | | 6f | | 67 | | | 2e | | 70 | | 62 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 3c | | 37 | | 31 | | 35 | | 38 | | 34 | | | 36 | | 30 | | 5f | | | 31 | | 31 | | 36 | 36 | 35 | 33 | 37 | 39 | |
| 2 | 1 | 1 | | 3d | | 30 | | 37 | | 5f | | 6c | | 6f | | | 67 | | 2e | | 70 | | | 62 | | 0 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 3e | | 1d | | 31 | | 34 | | 36 | | 37 | | | 30 | | 39 | | 33 | | | 36 | | 36 | | 30 | 5f | 31 | 31 | 30 | 31 | |
| 2 | 1 | 1 | | 3f | | 37 | | 33 | | 37 | | 39 | | 30 | | | 37 | | 5f | | 6c | | | 6f | | 67 | | 2e | 70 | 62 | 0 | 78 | 56 | |
| 2 | 1 | 1 | | 40 | | 1b | | a4 | | 8 | | e9 | | 1c | | | 31 | | 34 | | 36 | | | 37 | | 30 | | 39 | 32 | 34 | 36 | 30 | 5f | |
| 2 | 1 | 1 | | 41 | | 31 | | 31 | | 30 | | 30 | | 35 | | | 33 | | 37 | | 39 | | | 31 | | 36 | | 5f | 75 | 62 | 2e | 70 | 62 | |
| 2 | 1 | 1 | | 42 | | 0 | | 37 | | 5f | | 6c | | 6f | | | 67 | | 2e | | 70 | | | 62 | | 0 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 43 | | 36 | | 30 | | 5f | | 38 | | 31 | | | 30 | | 31 | | 33 | | | 37 | | 39 | | 30 | 37 | 5f | 6c | 6f | 67 | |
| 2 | 1 | 1 | | 44 | | 2e | | 70 | | 62 | | 0 | | 6f | | | 67 | | 2e | | 70 | | | 62 | | 0 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 45 | | 31 | | 38 | | 30 | | 36 | | 30 | | | 5f | | 31 | | 30 | | | 32 | | 36 | | 31 | 33 | 37 | 39 | 30 | 37 | |
| 2 | 1 | 1 | | 46 | | 5f | | 6c | | 6f | | 67 | | 2e | | | 70 | | 62 | | 0 | | | 62 | | 0 | | 6 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 47 | | 75 | | 72 | | 5f | | 6c | | 6f | | | 67 | | 73 | | 2e | | | 70 | | 62 | | 0 | 0 | 68 | 3 | bd | aa | |
| 2 | 1 | 1 | | 48 | | 43 | | c | | 63 | | 75 | | 72 | | | 5f | | 64 | | 61 | | | 74 | | 61 | | 2e | 70 | 62 | 0 | 78 | 56 | |
| 2 | 1 | 1 | | 49 | | b | | bb | | 63 | | 75 | | 72 | | | 5f | | 64 | | 61 | | | 74 | | 61 | | 2e | 70 | 62 | 0 | 78 | 56 | |
| Ø | a | |  | | € | | p | | Õ | ü | ? | | 8 | | í | ý | | ? | | h | |  | ½ | | ª | | Øa €pÕü?8íý?h½ª | | | | | | |
| ÿ | ÿ | | ÿ | | ÿ | | ì | | á |  | @ | | ð | | Ö | ü | | ? | | h | |  | ½ | | ª | | ÿÿÿÿìá@ðÖü?h½ª | | | | | | |
| @ | á | | ù | | ? | | 0 | | 0 | 0 | 0 | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | @áù?00000000h½ª | | | | | | |
| ì | ß | |  | | @ | | « | | E |  | @ | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | ìß@«E @00h½ª | | | | | | |
| \* | o | |  | | € | | @ | | Õ | ü | ? | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | \*o €@Õü?0000h½ª | | | | | | |
| ð | Ö | | ü | | ? | | Œ | | ï | ý | ? | | ¨ | | Ö | ü | | ? | | h | |  | ½ | | ª | | ðÖü?Œïý?¨Öü?h½ª | | | | | | |
| ì | ß | |  | | @ | | m | | E |  | @ | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | ìß@mE @00h½ª | | | | | | |
| \* | o | |  | | € | | @ | | Õ | ü | ? | | Î | |  |  | | @ | | h | |  | ½ | | ª | | \*o €@Õü?Î@h½ª | | | | | | |
| ì | ß | |  | | @ | | û | | G |  | @ | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | ìß@ûG @00h½ª | | | | | | |
| ( | 0 | | 0 | | 0 | | ¬ | | Ö | ü | ? | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | (000¬Öü?0000h½ª | | | | | | |
|  |  | |  | |  | |  | |  |  |  | |  | |  |  | |  | |  | |  |  | |  | |  | | | | | | |
| ( | 0 | | 0 | | 0 | | ¬ | | Ö | ü | ? | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | (000¬Öü?0000h½ª | | | | | | |
| Ì | s | | ë | |  | | 1 | | 4 | 6 | 6 | | 9 | | 4 | 2 | | 4 | | 6 | | 0 | \_ | | 9 | | Ìsë1466942460\_9 | | | | | | |
| 5 | 0 | | 5 | | 3 | | 7 | | 9 | 0 | 7 | | \_ | | l | o | | g | | . | | p | b | | 0 | | 50537907\_log.pb0 | | | | | | |
| 0 | 0 | | 0 | | 0 | | ¬ | | Ö | ü | ? | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | 0000¬Öü?0000h½ª | | | | | | |
| 0 | \_ | | 4 | | 5 | | 3 | | 7 | 3 | 7 | | 9 | | 1 | 5 | | \_ | | l | | o | g | | . | | 0\_453737915\_log. | | | | | | |
| p | b | | 0 | | 0 | | ¬ | | Ö | ü | ? | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | pb00¬Öü?0000h½ª | | | | | | |
| 0 | 0 | | 6 | | 0 | | \_ | | 6 | 4 | 8 | | 1 | | 3 | 7 | | 9 | | 0 | | 8 | \_ | | l | | 0060\_648137908\_l | | | | | | |
| o | g | | . | | p | | b | | 0 | ü | ? | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | og.pb0ü?0000h½ª | | | | | | |
| 6 | 1 | | 4 | | 3 | | 2 | | 6 | 0 | \_ | | 1 | | 5 | 1 | | 3 | | 3 | | 7 | 9 | | 1 | | 6143260\_15133791 | | | | | | |
| 5 | \_ | | l | | o | | g | | . | p | b | | 0 | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | 5\_log.pb0000h½ª | | | | | | |
| 1 | 4 | | 6 | | 6 | | 5 | | 2 | 1 | 2 | | 6 | | 0 | \_ | | 5 | | 2 | | 9 | 3 | | 3 | | 1466521260\_52933 | | | | | | |
| 7 | 9 | | 1 | | 5 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | 7915\_log.pb0h½ª | | | | | | |
|  | Å | |  | | 1 | | 4 | | 6 | 6 | 5 | | 4 | | 9 | 5 | | 8 | | 0 | | \_ | 5 | | 5 | | Å1466549580\_55 | | | | | | |
| 7 | 6 | | 5 | | 7 | | 9 | | 0 | 8 | \_ | | u | | b | . | | p | | b | | 0 | x | | V | | 7657908\_ub.pb0xV | | | | | | |
|  |  | | ½ | |  | |  | | 1 | 4 | 6 | | 6 | | 7 | 4 | | 8 | | 0 | | 6 | 0 | | \_ | | ½1466748060\_ | | | | | | |
| 7 | 5 | | 6 | | 1 | | 3 | | 7 | 9 | 1 | | 5 | | \_ | l | | o | | g | | . | p | | b | | 756137915\_log.pb | | | | | | |
| 0 | 9 | | 1 | | 5 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | 0915\_log.pb0h½ª | | | | | | |
| 4 | 0 | | \_ | | 7 | | 1 | | 2 | 2 | 1 | | 7 | | 9 | 0 | | 8 | | \_ | | u | b | | . | | 40\_712217908\_ub. | | | | | | |
| p | b | | 0 | | 5 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | pb05\_log.pb0h½ª | | | | | | |
| 5 | 0 | | 6 | | 0 | | \_ | | 3 | 3 | 3 | | 1 | | 3 | 7 | | 9 | | 0 | | 8 | \_ | | u | | 5060\_333137908\_u | | | | | | |
| b | . | | p | | b | | 0 | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | b.pb0log.pb0h½ª | | | | | | |
| 4 | 0 | | 2 | | 4 | | 6 | | 0 | \_ | 4 | | 1 | | 0 | 5 | | 3 | | 7 | | 9 | 0 | | 7 | | 402460\_410537907 | | | | | | |
| \_ | l | | o | | g | | . | | p | b | 0 | | . | | p | b | | 0 | | h | |  | ½ | | ª | | \_log.pb0.pb0h½ª | | | | | | |
| 4 | 6 | | 6 | | 1 | | 9 | | 7 | 2 | 6 | | 0 | | \_ | 2 | | 0 | | 5 | | 3 | 3 | | 7 | | 466197260\_205337 | | | | | | |
| 9 | 0 | | 7 | | \_ | | l | | o | g | . | | p | | b | 0 | | 0 | | h | |  | ½ | | ª | | 907\_log.pb00h½ª | | | | | | |
| — |  | | 1 | | 4 | | 6 | | 6 | 3 | 1 | | 6 | | 0 | 6 | | 0 | | \_ | | 3 | 2 | | 4 | | —1466316060\_324 | | | | | | |
| 1 | 3 | | 7 | | 9 | | 0 | | 7 | \_ | l | | o | | g | . | | p | | b | | 0 | x | | V | | 137907\_log.pb0xV | | | | | | |
|  | Ÿ | |  | | ® | |  | | 1 | 4 | 6 | | 6 | | 2 | 2 | | 7 | | 2 | | 6 | 0 | | \_ | | Ÿ ®1466227260\_ | | | | | | |
| 2 | 3 | | 5 | | 3 | | 3 | | 7 | 9 | 1 | | 6 | | \_ | u | | b | | . | | p | b | | 0 | | 235337916\_ub.pb0 | | | | | | |
| 0 | 0 | | 7 | | \_ | | l | | o | g | . | | p | | b | 0 | | 0 | | h | |  | ½ | | ª | | 007\_log.pb00h½ª | | | | | | |
| 0 | \_ | | 1 | | 0 | | 9 | | 0 | 9 | 3 | | 7 | | 9 | 0 | | 6 | | \_ | | l | o | | g | | 0\_1090937906\_log | | | | | | |
| . | p | | b | | 0 | | l | | o | g | . | | p | | b | 0 | | 0 | | h | |  | ½ | | ª | | .pb0log.pb00h½ª | | | | | | |
| 8 | 6 | | 0 | | 6 | | 0 | | \_ | 5 | 9 | | 4 | | 1 | 3 | | 7 | | 9 | | 1 | 0 | | \_ | | 86060\_594137910\_ | | | | | | |
| l | o | | g | | . | | p | | b | 0 | . | | p | | b | 0 | | 0 | | h | |  | ½ | | ª | | log.pb0.pb00h½ª | | | | | | |
| 6 | 6 | | 5 | | 4 | | 2 | | 8 | 6 | 0 | | \_ | | 5 | 5 | | 0 | | 9 | | 3 | 7 | | 9 | | 66542860\_5509379 | | | | | | |
| 0 | 7 | | \_ | | l | | o | | g | . | p | | b | | 0 | 0 | | 0 | | h | |  | ½ | | ª | | 07\_log.pb000h½ª | | | | | | |
|  | 1 | | 4 | | 6 | | 6 | | 0 | 3 | 5 | | 2 | | 6 | 0 | | \_ | | 4 | | 3 | 3 | | 3 | | 1466035260\_4333 | | | | | | |
| 8 | 2 | | 6 | | 8 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | 8268\_log.pb0h½ª | | | | | | |
| • | œ | |  | | 1 | | 4 | | 6 | 6 | 0 | | 3 | | 2 | 8 | | 6 | | 0 | | \_ | 4 | | 0 | | •œ1466032860\_40 | | | | | | |
| 9 | 3 | | 7 | | 9 | | 0 | | 8 | \_ | u | | b | | . | p | | b | | 0 | | x | V | | ­ | | 937908\_ub.pb0xV­ | | | | | | |
| æ |  | | B | |  | | 1 | | 4 | 6 | 6 | | 9 | | 1 | 0 | | 0 | | 6 | | 0 | \_ | | 9 | | æB1466910060\_9 | | | | | | |
| 1 | 8 | | 1 | | 3 | | 7 | | 9 | 0 | 7 | | \_ | | l | o | | g | | . | | p | b | | 0 | | 18137907\_log.pb0 | | | | | | |
| 0 | ß | |  | | @ | | û | | G |  | @ | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | 0ß@ûG @00h½ª | | | | | | |
| 0 | \_ | | 1 | | 1 | | 4 | | 4 | 9 | 3 | | 7 | | 9 | 0 | | 7 | | \_ | | l | o | | g | | 0\_1144937907\_log | | | | | | |
| . | p | | b | | 0 | | û | | G |  | @ | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | .pb0ûG @00h½ª | | | | | | |
| 9 | 6 | | 8 | | 6 | | 0 | | \_ | 6 | 0 | | 4 | | 9 | 3 | | 7 | | 9 | | 1 | 5 | | \_ | | 96860\_604937915\_ | | | | | | |
| l | o | | g | | . | | p | | b | 0 | @ | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | log.pb0@00h½ª | | | | | | |
| 6 | 6 | | 0 | | 7 | | 8 | | 4 | 6 | 0 | | \_ | | 8 | 6 | | 5 | | 3 | | 7 | 9 | | 0 | | 66078460\_8653790 | | | | | | |
| 7 | \_ | | l | | o | | g | | . | p | b | | 0 | |  |  | | 0 | | h | |  | ½ | | ª | | 7\_log.pb00h½ª | | | | | | |
| 1 | 4 | | 6 | | 6 | | 8 | | 9 | 9 | 2 | | 6 | | 0 | \_ | | 9 | | 0 | | 7 | 3 | | 3 | | 1466899260\_90733 | | | | | | |
| 7 | 9 | | 1 | | 5 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | 7915\_log.pb0h½ª | | | | | | |
| È | / | |  | | 1 | | 4 | | 6 | 6 | 8 | | 3 | | 3 | 3 | | 8 | | 0 | | \_ | 8 | | 4 | | È/1466833380\_84 | | | | | | |
| 1 | 4 | | 5 | | 7 | | 9 | | 0 | 8 | \_ | | u | | b | . | | p | | b | | 0 | x | | V | | 1457908\_ub.pb0xV | | | | | | |
|  |  | | W | | ä | |  | | 1 | 4 | 6 | | 6 | | 5 | 7 | | 5 | | 2 | | 6 | 0 | | \_ | | Wä1466575260\_ | | | | | | |
| 5 | 8 | | 3 | | 3 | | 3 | | 7 | 9 | 0 | | 7 | | \_ | l | | o | | g | | . | p | | b | | 583337907\_log.pb | | | | | | |
| 0 | 9 | | 1 | | 5 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | 0915\_log.pb0h½ª | | | | | | |
| 6 | 0 | | \_ | | 7 | | 7 | | 7 | 7 | 3 | | 7 | | 9 | 0 | | 7 | | \_ | | l | o | | g | | 60\_777737907\_log | | | | | | |
| . | p | | b | | 0 | | \_ | | l | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | .pb0\_log.pb0h½ª | | | | | | |
| 6 | 8 | | 8 | | 8 | | 0 | | \_ | 7 | 7 | | 6 | | 9 | 5 | | 7 | | 9 | | 0 | 8 | | \_ | | 68880\_776957908\_ | | | | | | |
| u | b | | . | | p | | b | | 0 | o | g | | . | | p | b | | 0 | | h | |  | ½ | | ª | | ub.pb0og.pb0h½ª | | | | | | |
| 7 | 1 | | 5 | | 8 | | 4 | | 6 | 0 | \_ | | 1 | | 1 | 6 | | 6 | | 5 | | 3 | 7 | | 9 | | 7158460\_11665379 | | | | | | |
| 0 | 7 | | \_ | | l | | o | | g | . | p | | b | | 0 |  | | 0 | | h | |  | ½ | | ª | | 07\_log.pb00h½ª | | | | | | |
|  | 1 | | 4 | | 6 | | 7 | | 0 | 9 | 3 | | 6 | | 6 | 0 | | \_ | | 1 | | 1 | 0 | | 1 | | 1467093660\_1101 | | | | | | |
| 7 | 3 | | 7 | | 9 | | 0 | | 7 | \_ | l | | o | | g | . | | p | | b | | 0 | x | | V | | 737907\_log.pb0xV | | | | | | |
|  | ¤ | |  | | é | |  | | 1 | 4 | 6 | | 7 | | 0 | 9 | | 2 | | 4 | | 6 | 0 | | \_ | | ¤é1467092460\_ | | | | | | |
| 1 | 1 | | 0 | | 0 | | 5 | | 3 | 7 | 9 | | 1 | | 6 | \_ | | u | | b | | . | p | | b | | 1100537916\_ub.pb | | | | | | |
| 0 | 7 | | \_ | | l | | o | | g | . | p | | b | | 0 |  | | 0 | | h | |  | ½ | | ª | | 07\_log.pb00h½ª | | | | | | |
| 6 | 0 | | \_ | | 8 | | 1 | | 0 | 1 | 3 | | 7 | | 9 | 0 | | 7 | | \_ | | l | o | | g | | 60\_810137907\_log | | | | | | |
| . | p | | b | | 0 | | o | | g | . | p | | b | | 0 |  | | 0 | | h | |  | ½ | | ª | | .pb0og.pb00h½ª | | | | | | |
| 1 | 8 | | 0 | | 6 | | 0 | | \_ | 1 | 0 | | 2 | | 6 | 1 | | 3 | | 7 | | 9 | 0 | | 7 | | 18060\_1026137907 | | | | | | |
| \_ | l | | o | | g | | . | | p | b | 0 | | b | | 0 |  | | 0 | | h | |  | ½ | | ª | | \_log.pb0b00h½ª | | | | | | |
| u | r | | \_ | | l | | o | | g | s | . | | p | | b | 0 | | 0 | | h | |  | ½ | | ª | | ur\_logs.pb00h½ª | | | | | | |
| C |  | | c | | u | | r | | \_ | d | a | | t | | a | . | | p | | b | | 0 | x | | V | | Ccur\_data.pb0xV | | | | | | |
|  | » | | c | | u | | r | | \_ | d | a | | t | | a | . | | p | | b | | 0 | x | | V | | »cur\_data.pb0xV | | | | | | |

Snippets from striivActivityTrackers\_v3.2.1197

File: StriivGattAttributes.java

**class** StriivGattAttributes {  
**public static final** String ***CLIENT\_CHARACTERISTIC\_CONFIG*** = **"00002902-0000-1000-8000-00805f9b34fb"**;  
  
  
**public enum** StriivGattService {  
 ***MULTIPLE\_CHARACTERISTIC***(**"0000fff0-0000-1000-8000-00805f9b34fb"**, 8, r15, r28, r35, StriivGattCharacteristic.***DB0***),  
 ***SINGLE\_CHARACTERISTIC***(**"278B67FE-266B-406C-BD40-25379402B58D"**, 2, r15, r28, r35, StriivGattCharacteristic.***DBS***);

El número 8 y el número 2, parecen ser la cantidad de características esperadas para ese servicio:

**int** expectedCharacteristicCount2 = i;

**public enum** StriivGattCharacteristic {  
 ***TX0***(**"0000fff1-0000-1000-8000-00805f9b34fb"**, **"fff1"**, **new byte**[]{-1, -15}),  
 ***TX1***(**"0000fff2-0000-1000-8000-00805f9b34fb"**, **"fff2"**, **new byte**[]{-1, -14}),  
 ***TX2***(**"0000fff3-0000-1000-8000-00805f9b34fb"**, **"fff3"**, **new byte**[]{-1, -13}),  
 ***TX3***(**"0000fff4-0000-1000-8000-00805f9b34fb"**, **"fff4"**, **new byte**[]{-1, -12}),  
 ***RX0***(**"0000fff5-0000-1000-8000-00805f9b34fb"**, **"fff5"**, **new byte**[]{-1, -11}),  
 ***RX1***(**"0000fff6-0000-1000-8000-00805f9b34fb"**, **"fff6"**, **new byte**[]{-1, -10}),  
 ***RX2***(**"0000fff7-0000-1000-8000-00805f9b34fb"**, **"fff7"**, **new byte**[]{-1, -9}),  
 ***RX3***(**"0000fff8-0000-1000-8000-00805f9b34fb"**, **"fff8"**, **new byte**[]{-1, -8}),  
 ***DB0***(**"0000fff9-0000-1000-8000-00805f9b34fb"**, **"fff9"**, **new byte**[]{-1, -7}),  
 ***RXS***(**"30E29A0A-2C25-4331-89C1-C17E26B1D22B"**, **"30E2"**, **new byte**[]{48, -30}),  
 ***TXS***(**"E57BFE23-2E2C-4332-B1A1-846E15E9FB75"**, **"E57B"**, **new byte**[]{-27, 123}),  
 ***DBS***(**"F37DDCAE-B6E7-4CFB-B9C4-D083D8118000"**, **"F37D"**, **new byte**[]{-13, 125}),  
 ***DEVICE\_ID***(**"12B54A02-52F5-4A61-8DA5-7E722D428359"**, **"12B5"**, **new byte**[]{18, -75});

Leer el StriivBluetoothManager.Java

File: DeviceInfo

**public class** DeviceInfo {  
 **private int apiVer**;  
 **private** String **authToken**;  
 **private int batteryPercent**;  
 **private** String **crc**;  
 **private int fileWritesAvail**;  
 **private** String **fontVer**;  
 **private** String **hwInfo**;  
 **private** String **mcuHW**;  
 **private** String **mcuSW**;  
 **private int memAvail**;  
 **private** String **radioHW**;  
 **private** String **radioSW**;  
 **private** String **regDate**;  
 **private int resetCount**;  
 **private int screenOnCount**;  
 **private** String **serialNum**;  
 **private int timezone**;  
 **private int userID**;

**public final class** StriivFile {  
 **private final int attempt**;  
 **private final int crc**;  
 **private byte**[] **data**;  
 **private final int expectedCrc**;  
 **private final** Map<String, String> **extras**;  
 **private** String **filename**;  
 **private final boolean preAuth**;  
 **private final** StriivDateTime **timestamp**;  
 **private final int timezone**;